

	ATTORNEY'S DKT No. 002010-742	APPLICATION No. 09/155,739
	APPLICANT Mary M. BENDIG <i>et al.</i>	
	FILING DATE September 11, 1998	GROUP 1644

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes No
MS	WO 96/01644	A1	PCT	01-25-1996	
RL	WO 95/19790	A1	PCT	07-27-1995	

NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
GC	Supplementary European Search Report mailed January 23, 2003
	Vito G. SASSEVILLE <i>et al.</i> , "Monocyte Adhesion to Endothelium in Simian Immunodeficiency Virus-Induced AIDS Encephalitis Is Mediated by Vascular Cell Adhesion Molecule-1/ $\alpha$ 4 $\beta$ 1 Integrin Interactions", American Journal of Pathology, 1994, pgs. 27-40, Vol. 144, No. 1, American Society for Investigative Pathology with the assistance of Stanford University Libraries' HighWire Press, Stanford, California, USA
	Marina PRETOLANI <i>et al.</i> , "Antibody to Very Late Activation Antigen 4 Prevents Antigen-Induced Bronchial Hyperreactivity and Cellular Infiltration in the Guinea Pig Airways", J. Exp. Med., 1994, pgs. 795-805, Vol. 180, No. 3, The Rockefeller University Press with the assistance of Stanford University Libraries' HighWire Press, Stanford, California, USA
	V.B. WEG <i>et al.</i> , "A Monoclonal Antibody Recognizing Very Late Activation Antigen-4 Inhibits Eosinophil Accumulation <i>In Vivo</i> ", J. Exp. Med., 1993, pgs. 561-566, Vol. 177, No. 2, The Rockefeller University Press with the assistance of Stanford University Libraries' HighWire Press, Stanford, California, USA
	L.C. PAUL <i>et al.</i> , "Monoclonal Antibodies Against LFA-1 and VLA-4 Inhibit Graft Vasculitis in Rat Cardiac Allografts", Transplantation Proceedings, 1993, pgs. 813-814, Vol. 25, No. 1, Pt. 1, Elsevier Science, Oxford, United Kingdom
	Patricia L. CHISHOLM <i>et al.</i> , "Monoclonal Antibodies to the Integrin $\alpha$ -4 Subunit Inhibit the Murine Contact Hypersensitivity Response", Eur. J. Immunol., 1993, pgs. 682-688, Vol. 23, No. 3, VCH Verlagsgesellschaft mbH, Weinheim, Germany
	Daniel K. PODOLSKY <i>et al.</i> , "Attenuation of Colitis in the Cotton-Top Tamarin by Anti- $\alpha$ 4 Integrin Monoclonal Antibody", J. Clin. Invest., 1993, pgs. 372-380, Vol. 92, No. 1, The American Society for Clinical Investigation, Inc. with the assistance of Stanford University Libraries' HighWire Press, Stanford, California, USA
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PR	Myron I. CYBULSKY <i>et al.</i> , "Endothelial Expression of a Mononuclear Leukocyte Adhesion Molecule During Atherogenesis", Science, 1991, pgs. 788-791, Vol. 251, No. 4995, American Association for the Advancement of Science with the assistance of Stanford University Libraries' HighWire Press, Stanford, California, USA

Examiner Signature	Peter G. G. 11/24/03	Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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SHEET 1 OF 1

Substitute for forms 1449A/PTO &amp; 1449B/PTO

# FOURTH INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ATTORNEY'S DKT NO.  
034008-023

APPLICATION NO.  
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APPLICANT  
Mary M. BENDIG et al.

FILING DATE  
September 11, 1998

GROUP  
1644

## U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes	No

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
PG	ZEIDLER et al., "Therapeutic Effects of Antibodies Against Adhesion Molecules in Murine Collagen Type II-Induced Arthritis", <i>Autoimmunity</i> , 1995, pp. 245-252, vol. 21, Taylor & Francis Health Sciences, London, England
	BLUE et al., "Enhancement of CD-2 Mediated T Cell Activation by the Interaction of VLA-4 with Fibronectin", <i>Cellular Immunology</i> , 1991, pp. 238-244, vol. 138, Academic Press, Orlando, Florida.
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	ISSEKUTZ et al., "T Lymphocyte Migration to Arthritic Joints and Dermal Inflammation in the Rat: Differing Migration Patterns and the Involvement of VLA-4," <i>Clinical Immunology and Immunopathology</i> , 1991, pp. 436-447, vol. 61, Academic Press, Orlando, Florida.
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	ELICES et al., "Expression and Functional Significance of Alternatively Spliced CS1 Fibronectin in Rheumatoid Arthritis Microvasculature", <i>Journal of Clinical Investigation</i> , 1994, pp. 405-416, vol. 93, American Society for Clinical Investigation, New Haven, CT.
	MIYAKE et al., "β1 Integrin-mediated Interaction with Extracellular Matrix Proteins Regulates Cytokine Gene Expression in Synovial Fluid Cells of Rheumatoid Arthritis Patients," <i>Journal of Experimental Medicine</i> , 1993, pp. 863-868, vol. 177, Rockefeller Univ. Press, New York, New York.
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Examiner Signature	Plum PGmga w/4/03	Date Considered	
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**SECOND INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

ATTORNEY'S DKT NO.

002010-742

APPLICATION NO.

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APPLICANT

Mary M. BENDIG *et al.*

FILING DATE

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GROUP

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**U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

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**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes No
	WO 94/16094	A2	PCT	07-21-1994	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
PG	Olivier J.P. Léger et al. "Humanization of a mouse antibody against human alpha-4 integrin: A potential therapeutic for the treatment of multiple sclerosis," Human Antibodies, vol. 8(1), pp. 3-16 (1997).
PG	Frank KOLBINGER et al., "Humanization of a mouse anti-human IgE antibody: a potential therapeutic for IgE-mediated allergies," Protein Engineering, vol. 6(8), pp. 971-980 (1993).

Examiner Signature	Philip Gander 11/24/03	Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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**THIRD INFORMATION DISCLOSURE  
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002010-742APPLICATION No.  
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Mary M. BENDIG et al.FILING DATE  
September 11, 1998GROUP  
1644**U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes No

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
20	YEDNOCK et al., "Prevention of experimental autoimmune encephalomyelitis by antibodies against $\alpha 4 \beta 1$ integrin," Letters to Nature, vol. 3546, pp. 63-66 (1991).
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10	Thomas B. ISEKUTZ et al., "T Lymphocyte Migration to Arthritic Joints and Dermal Inflammation in the Rat: Differing Migration Patterns and the Involvement of VLA-4," Clinical Immunology and Immunopathology vol. 61, pp. 436-447 (1991).

P. H. M. van DINTHER-JANSSEN H/24/03



SHEET 2 OF 2

Substitute for forms 1449A/PTO & 1449B/PTO  <b>THIRD INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	ATTORNEY'S DKT NO. 002010-742	APPLICATION NO. 09/155,739
	APPLICANT Mary M. BENDIG et al.	
	FILING DATE September 11, 1998	GROUP 1644

NON PATENT LITERATURE DOCUMENTS	
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MB	Armando LAFFON et al., "Unregulated Expression and Function of VLA-4 Fibronectin Receptors on Human activated T Cells in Rheumatoid Arthritis," J. Clin. Invest. vol. 88, pp. 546-552 (1991).

Examiner Signature	PHILIP GAMOZ 4/24/03	Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.